PHILIP MORRIS USA

RESEARCH AND DEVELOPMENT DEPARTMENT

SWITZERLAND TEST #166

PM6-06IS
MR8-06IS

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SWITZERLAND TEST #166

The following cigarette brands from Switzerland were received at R & D and submitted for analyses on March 25, 1976. These cigarettes were of February, 1976 production.

Philip Morris Multifilter King Size 20's (Plastic Pack) - Switzerland
Marlboro 100 20's (Soft Pack) - Switzerland

The Philip Morris Multifilter king size cigarettes (Switzerland) were *not different from the previous average in dilution only.

* correction 5/25/76

The Marlboro 100 cigarettes (Switzerland) were different from the previous average in ~~nicotine and total reducing sugars~~ tar + TPM + filtered dilution.

	Philip Morris Multifilter King Size 20's (Plastic Pack) Switzerland			Marlboro 100 20's (Soft Pack) Switzerland		
	Current	Prev. Avg.	U.S.[2]	Current	Prev. Avg.	U.S.[2]
Smoke						
Butt Length, mm	27	27	33	33	33	34
FTC Tar, mg/cigt.	16.8	16.1	12.4	16.5	17.8	16.9
TPM, mg/cigt.	20.7	19.8	15.1	19.7	21.3	20.3
Nicotine, mg/cigt.	1.05	1.00	0.90	1.22	1.29	1.07
Water, mg/cigt.	2.8	2.7	1.8	2.0	2.2	2.3
Puffs/cigt.	8.2	8.2	8.1	10.4	10.1	9.3
Filtration Eff., %	44	45	45	46	47	49
Cigarette						
Total RTD, in. of H_2O	4.2	4.1	2.8	4.0	4.1	4.9
mm of H_2O	107	104	71	102	104	124
Static Burn. Time, min.	7.0	6.9	7.3	7.1	7.0	6.8
Length, mm	83.8	84.0	84.1	99.2	99.2	99.4
Circumference, mm	24.7	24.6	25.0	24.5	24.6	24.[illegible]
Diameter, mm	7.9	7.8	8.0	7.8	7.8	7.9
Paper						
Porosity, sec.	14	12	14	12	12	13
Filter						
RTD, in. of H_2O	2.4	2.5	1.9	2.5	2.6	2.9
mm of H_2O	61	64	48	64	66	74
Inner, in. of H_2O	1.5	1.6	1.0	-	-	-
mm of H_2O	38	41	25	-	-	-
Outer, in. of H_2O	0.9	0.9	0.9	-	-	-
mm of H_2O	23	23	23	-	-	-
Length, mm	20.1	20.4	25.3	25.0	25.0	26.9
Inner	12.5	12.7	10.3	-	-	-
Outer	7.6	7.7	15.0	-	-	-
Weight, g	0.21	0.22	0.36	0.18	0.18	0.17
Inner	0.16	0.17	0.14	-	-	-
Outer	0.05	0.05	0.22	-	-	-
Carbon, mg/plug	71	78	66	-	-	-
Tipping paper length, mm	24	24	30	30	30	31
Dilution, %	-	-	26	20	11	-
Filler						
Total alkaloids, %	1.46	1.46	1.46	1.58	1.56	1.56
Total reducing sugars, %	7.5	7.5	5.5	7.6	7.6	7.2
Wt. of tob.,						
1,000 cigts., g	795	789	700	932	930	850
1,000 cigts., lbs.	1.7506	1.7374	1.5416	2.0520	2.0476	1.8716
Rod Density, g/cc	0.257	0.258	0.239	0.263	0.260	0.242
[1]C.V., cc/10 g	31	31	37	30	31	36
C.V., cc/10 g (Corrected to 12% O.V.)	37	38	41	37	37	40
[1]Oven Volatiles, %	13.9	14.2	13.4	14.2	14.1	13.6

[1]Equilibrated at 75°F and 60% R.H. for 48 hrs.

[2]Data from C.I. No. 3-76.

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